

# **FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES**

## **FIT PROJECT**

**TASK REPORT TO THE  
ENVIRONMENTAL PROTECTION AGENCY  
CONTRACT NO. 68-01-6056**

LAUREL POINT LANDFILL

LAUREL POINT

West Virginia

TDD No. F3-8005-39

EPA No. WV 23

Prepared By: Gregg Crystall

Submitted to: Bruce Smith

**ecology and environment, inc.**

International Specialists in the Environmental Sciences

LAUREL POINT LANDFILL

F3-8005-39  
WV 23

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## SECTION I



# POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by Hq)
III	

**NOTE:** This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

**GENERAL INSTRUCTIONS:** Complete Sections I and III through X as completely as possible before Section II (Preliminary Assessment). File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

## I. SITE IDENTIFICATION

A. SITE NAME Laurel Point Landfill		B. STREET (or other identifier) Route 19 S	
C. CITY Laurel Point	D. STATE W. VA	E. ZIP CODE 26505	F. COUNTY NAME Monongalia
G. OWNER/OPERATOR (if known) 1. NAME Victor Solomon		2. TELEPHONE NUMBER (304)983-2315	
H. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			

I. SITE DESCRIPTION Was an open dump until 1974. It is now leased by the County and there are plans to activate the site again.

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) Eckhardt list	K. DATE IDENTIFIED (mo., day, & yr.) 11/21/79
L. PRINCIPAL STATE CONTACT 1. NAME Dale Parsons	telephone # (304)348-2987

## II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN	
B. RECOMMENDATION <input checked="" type="checkbox"/> 1. NO ACTION NEEDED (no hazard) Monitor State & County only <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR: _____ b. WILL BE PERFORMED BY: _____ <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)	

C. PREPARER INFORMATION 1. NAME Gregg Crystall, Ecology & Environment		2. TELEPHONE NUMBER 609-665-1515	3. DATE (mo., day, & yr.) 1-26-81
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## III. SITE INFORMATION

A. SITE STATUS <input type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.) <input checked="" type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify): _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)	
B. IS GENERATOR ON SITE? <input checked="" type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC Code): _____	
C. AREA OF SITE (in acres) Approx. 4 acres	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg., min., sec.) _____ 2. LONGITUDE (deg., min., sec.) _____
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify): abandoned house	

## V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

Esters

Mercaptans

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

Site is now closed

## VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	X			
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

## SECTION 2

SUMMARY AND RECOMMENDATIONS

## LAUREL POINT LANDFILL

F3-8005-39 WV-23

SUMMARY:

Laurel Point Landfill is now inactive. Monongalia County has been leasing this site from Victor Solomon for the past 4-5 years and is in the process of implementing a plan to activate a new landfill on this site in the near future. The report of a trailer park on, or near, the site was erroneous. The site was used until 1974 for municipal waste only but Borg-Warner Chemical Company may have disposed of some industrial wastes on the landfill. Although private wells constitute the area's water supply, none appear to be in a position to be affected by wastes on the landfill. There is no evidence of hazardous waste on the site.

RECOMMENDATIONS:

Since there are no homes near the landfill, the state has found no evidence of water supply contamination, we did not find any indication of hazardous wastes on the site and the site has been closed for the past seven years, I recommend that the EPA take no further action and close this TDD. However, the county and state are contemplating the reopening of the site and although there is no evidence of hazardous waste contamination on the site, the state is concerned and alert to potential problems that might arise. The EPA should keep abreast of the state's actions in the event that these problems do arise.

### SECTION 3

TRIP REPORT

## LAUREL POINT LANDFILL

F3-8005-39 WV-23

INTRODUCTION:

FIT III conducted a cursory survey for the purpose of completing a low priority preliminary assessment of Laurel Point Landfill on 1-5-81. The FIT III team consisted of Gregg Crystall and Frank Quirus. This site was an open dump for municipal wastes until 1974. The county is in the process of implementing a plan to again use this site. A trip report from W. VA Solid Waste Authority from 6-23-80 stated that no hazardous wastes were visible and any industrial waste located during construction of the new landfill will be disposed of by a private contractor. Groundwater and leachate monitoring systems are planned for the new landfill.

CONTACTS:

## Pertinent Contacts Included:

Victor Solomon  
P.O. Box 683  
Laurel Point, W. VA 26505  
(304) 983-2315/2132

Barry Goldberg  
Monongalia County Offices  
Morgantown, W. VA  
(304) 291-7200

Tim Laraway, Chief Engineer  
W. VA Resource Recovery  
Solid Waste Authority  
1212 Stewart Plaza  
Dunbar, W. VA 25065  
(304) 348-0585

Trip Report  
Laurel Point Landfill - continued

COMMENTS:

Observation Revealed:

The dump is in a strip mine area and was partially snow covered at the time of the visit. Wood, tires, metal and junk cars were observed. There appeared to be no evidence of stressed vegetation in the vicinity of the site and there was no surface water observed near the site. The site was fenced off.

Barry Goldberg:

Monongalia County has been leasing this site from Victor Solomon for the past four to five years. The county is in the process of implementing a plan to use this site for municipal wastes for a 12-14 year period. The site is now inactive.

Tim Laraway:

This site was used as an open dump until 1974 and has almost 3000 yards of municipal wastes in it. There are a few houses about 500 yards past the landfill that are supplied by well water. If any hazardous wastes are found on-site when the county implements its plan, they will be removed and hauled to a licensed fill for these wastes.

## SECTION 4

FACT SHEET

Laurel Point Landfill

TDD No. F3-8005-39

EPA No. WV - 23

FACT	SOURCE
1. Site is owned by Victor Solomon.	1. Telephone conversation with Victor Solomon (304-983-2315) on December 29, 1980.
2. County of Monongalia has been leasing site for past 4-5 years and has plans to impliment a new disposal program on this site.	2. Telephone conversation with Barry Goldberg (304-291-7200) on January 21, 1981, of Monongalia County offices.
3. Site is now inactive.	3. Per telecon with Barry Goldberg, January 21, 1981.
4. Solomon accepted municipal wastes and some wastes from Borg-Warner Chemical Co.	4. Eckhardt List read-out.
5. Water in area is supplied by wells.	5. Barry Goldberg.
6. Soil information.	6. Jeffrey Burke - Contamination Potential December 5, 1980.
Site was not permitted.	7. Preliminary Assessment form done by C. Howard, February 5, 1980. (215-547-8116)

## SECTION 5

PHOTO LOG

LAUREL POINT LANDFILL  
F3-8005-39 WV 23

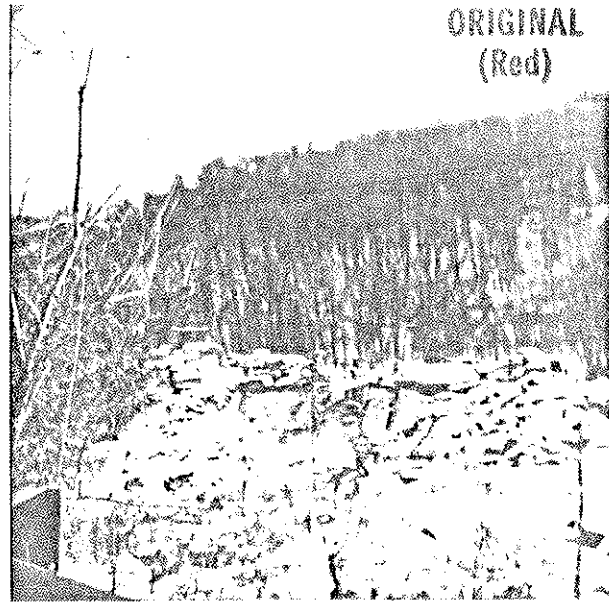
Photos taken 1/5/81 at 15:40

- 1 - View into stripmine area
- 2 - View into stripmine area
- 3 - Sign at entrance of property
- 4 - View into stripmine area

ORIGINAL  
(Red)



2



1



4



3

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WV 23

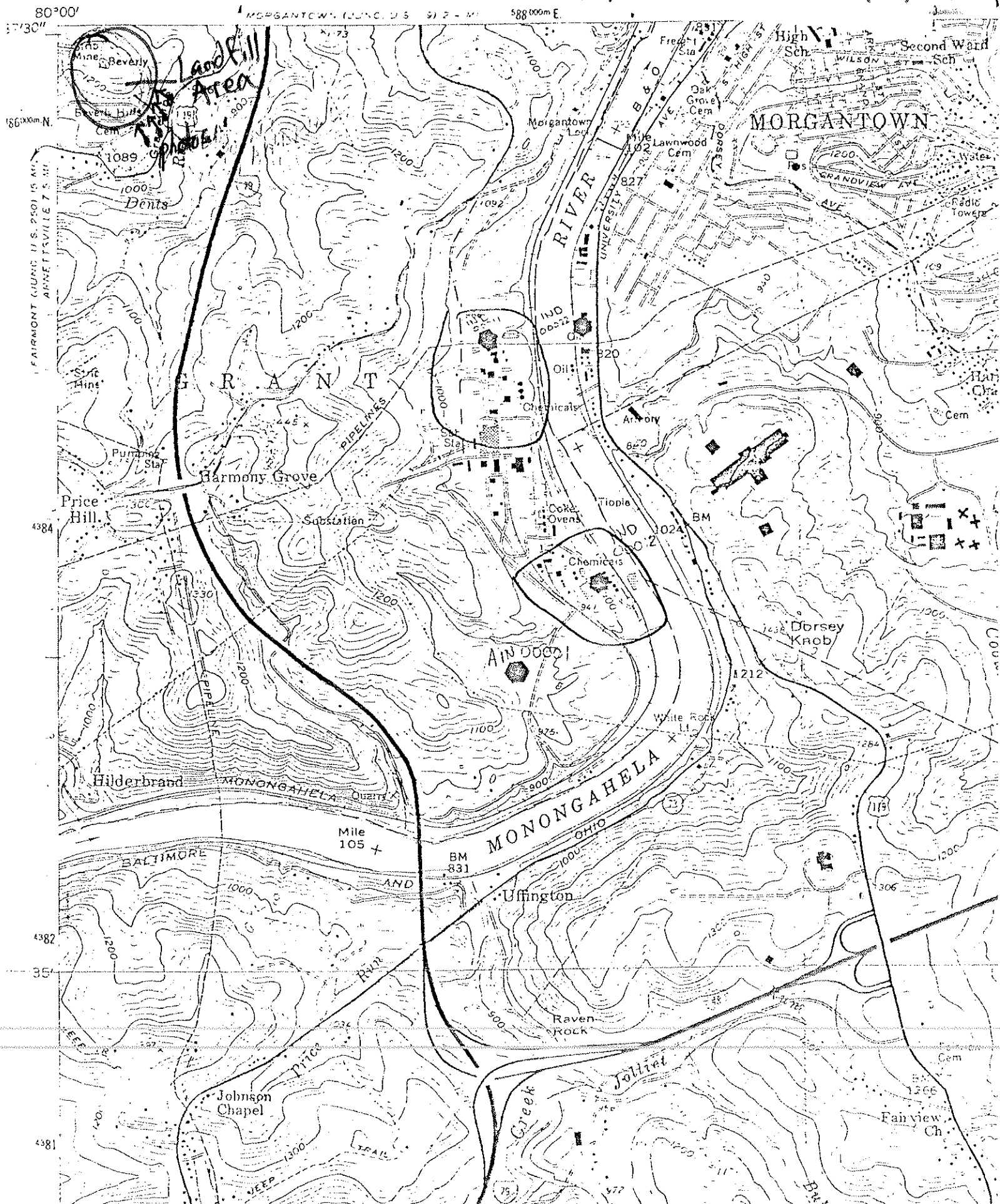
USGS 7.5' series

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WV-23

ORIGINAL  
(Red)

44



## SECTION 6

## WORK SHEET FOR RATING DISPOSAL SITES

Name of Site: Laurel Point Landfill active inactive & abandoned  
 Location: Laurel Point, West Virginia (inactive) (CIRCLE ONE)  
 Owner/Operator: Victor Solomon/Monongalia County  
 Comments: \_\_\_\_\_  
Site is inactive but there are plans to reactivate site.

Prepared By: Gregg Crystall On 1-26 19 87

FACTOR	OBSERVATION
RECEPTORS	
Population within 1000 feet	NO
Distance to Nearest Drinking Water Well	Over 1/4 mile
Distance to Nearest Off-Site Building	Over 1/4 mile
Land Use/Zoning	Strip mine
Critical Environment	NO
Use of Site by Residents	NO
Use of Nearest Buildings	abandoned house
Presence of Public Water Supplies	NO
Presence of Aquifer Recharge Area	NO
Presence of Transportation Routes	State Road 19
Presence of Important Natural Resources	Coal
Other	None
PATHWAYS	
Evidence of Contamination	None
Type of Contamination	N/A
Level of Contamination	N/A
Distance to Nearest Surface Water	Monongalia River is 1/2 mile away
Depth to Ground Water	25 feet
Net Precipitation	36 inches per year
Soil Permeability	permeable
Bedrock Permeability	very low
Depth to Bedrock	15 feet
Erosion and Runoff Problems	None
Susceptibility to Flooding	None
Slope Instability	None
Seismic Activity	None
Other	None

## WORK SHEET FOR RATING DISPOSAL SITES

FACTOR	OBSERVATION
WASTE CHARACTERISTICS	
Toxicity	no information about toxicity
Persistence	no information about persistence
Radioactivity	no
Ignitability	no
Reactivity	no
Corrosiveness	no
Solubility	soluble
Volatility	volatile
Physical State	sludge, liquid
Infectiousness	none
Bioaccumulation Potential	unknown
Carcinogenicity, Teratogenicity and Mutagenicity	unknown
Other	none
WASTE MANAGEMENT PRACTICES	
Site Security	fences around site
Hazardous Waste Quantity	unknown
Total Waste Quantity	2500 - 3000 cubic yards
Waste Incompatibility	unknown
Use of Liners	no
Use of Leachate Collection Systems	no
Use of Gas Collection Systems	no
Use and Condition of Containers	none
Lack of Safety Measures	no safety measures
Evidence of Open Burning	no
Dangerous Heat Sources	no
Inadequate Waste Records	no records
Inadequate Cover	not covered
Other	none

CONTAMINATION POTENTIAL  
(MANUAL FOR EVALUATING CONTAMINATION POTENTIAL OF SURFACE IMPOUNDMENTS) ORIGINAL  
(Red)

NAME/LOCATION Laurel Point Landfill  
ADDRESS MONONGALIA CO; WVA  
NPDES# — SIC 2819 & 2869 LAT. 39 39 30 - LONG. 75 55 00  
THE CONTAMINATION POTENTIAL IS LOW MODERATE HIGH VERY HIGH  
NO. OF SITES 1 AGE 11 yrs LINER — THICKNESS — AREA —  
UNSATURATED ZONE 6C-B WATER QUALITY 5-B GROUNDWATER AVAILABILITY 6A-B  
HAZARD OF CONTAMINANT 8-B TOTAL GROUNDWATER CONTAMINATION POTENTIAL 25  
ENDANGERMENT TO CURRENT WATER SUPPLIES 9A-B MONITORING WELLS —  
FREQUENCY OF MONITORING — SIGNIFICANT CHANGES IN GROUNDWATER —

ADVERSELY

## REMARKS:

NOTE: NAME UNREPORTED, P.O. BOX 683 26505  
SITE IS NOT LOCATED ON PROPERTY OF CHEMICAL PLANT PARTICIPATING IN SURVEY, BUT IS KNOWN TO HAVE BEEN USED FOR DISPOSAL FROM 1969 TO 1972. AT TIME OF USE, SITE WAS OWNED BY PRIVATE CONCERN OTHER THAN CHEMICAL COMPANY INCLUDED IN THIS SURVEY. SITE IS NO LONGER IN USE. CHEMICAL COMPONENTS OF WASTE DISPOSED AT THIS SITE INCLUDE ORGANICS AND INORGANICS. METHODS OF DISPOSAL INCLUDE MIXED INDUSTRIAL WASTE LANDFILL, PITS, PONDS AND LAGOONS AND INCINERATION.

References: "Ground-Water Hydrology of the Monongahela River Basin in West Virginia".

The site is underlain by the basal sandstones of the Conemaugh formation. The water table is about 25 feet from the surface and the saturated thickness is approximately 140 feet.

Groundwater is expected to flow towards the tributary of West Run. Generally, the water is of excellent quality.

The hazard of contaminant rating is based on the SIC codes, Industrial Inorganic and Organic Chemicals.

The topographic map of the area, photorevised in 1976, indicates there is a trailer park located at the site. There is a strong possibility that there is a water supply well at the site. EPA does not have any information regarding injection wells or surface impoundments in the area.

cc: J. Gary Gardner 3AH00  
Robert Allen 3AH30  
Bruce Smith 3SA30  
Abraham Ferdas 3EN10  
Benjamin A. Lacy 3WA32

Prepared By: Jeffrey J. Burke JJBDate: December 5, 1980

## SECTION 7

ORIGINAL  
(Red)TRIP REPORT - MONONGALIA CO. LANDFILL SITE

Purpose: Site investigation of potential hazardous wastes at the site with DNR.

Present: J. Hughart, DNR  
T. Laraway, WWSWA

Notes:

1. JH seemed to think that the water on the site was mostly groundwater seepage. He was concerned about the Sewickley Mine next to the fill area. There may be seepage and/or structural problems.
2. I told him that we intend to avoid Consol's back-up mine-water transmission system.
3. JH suggested that, if there is a problem, it is probably due to the 2500 to 3000 c.y. of deposited wastes.
4. JH suggested we keep Rob Jelacic (of DNR) apprised of all design work (Northeimer's Shop).
5. JH and I agreed that we should develop a contingency plan to dispose of any hazardous wastes encountered in moving the existing wastes at a secure landfill or other approved site.
6. JH would like all of our subsurface information and a copy of Consol's Pittsburgh Mine plans.

My Comments

1. We will need some time to arrange for proper disposal of any encountered hazardous wastes. I suggest we proceed with contingency planning.
2. We should consider negotiating a lower price for the land due to this problem.
3. The hazardous waste problem, if it exists does not look to be severe at this point. Time will tell.

T.T. Laraway  
Timothy T. Laraway, P.E.  
Chief Engineer



ORIGINAL  
(Red)

STATE OF WEST VIRGINIA  
DEPARTMENT OF NATURAL RESOURCES  
CHARLESTON 25305

JOHN D. ROCKEFELLER IV  
Governor

DAVID C. CALLAGHAN  
Director

WILLIS H. HERTIG, JR.  
Deputy Director

July 15, 1980

Mr. Tim Laraway  
WV Resource Recovery  
Solid Waste Authority  
1212 Stewart Plaza  
Dunbar, West Virginia 25065

Dear Mr. Laraway:

Enclosed is our file report concerning the inspection of the Martin  
Hollow landfill near Morgantown on June 23, 1980.

Please feel free to contact myself or John Northeimer if you have  
further questions. Thank you.

Very truly yours,

WATER RESOURCES DIVISION

Joe Hughart, Geologist  
Ground Water/Hazardous Waste  
Section

JH:tmt

Enclosures

RECEIVED

JUL 17 1980

SOLID WASTE  
AUTHORITY

Subject: Investigation of Martin Hollow Landfill (Monongalia Co. Landfill).

On June 23, 1980, myself and Hoss Jones met with Mr. Tim Laraway of the Solid Waste Authority at the Martin Hollow Landfill near Morgantown, WV. Mr. Laraway indicated that the site was to be purchased in order to open a new landfill, and he wanted our opinions concerning the possibility of hazardous conditons resulting from industrial wastes which were dumped at the site by Borg Warner in 1973.

The site itself contained several large piles of rusting metal and domestic wastes, however, no hazardous or industrial wastes were visible. An old mine shaft opening is located at the northern end of the site, and another is reported to be located on the south eastern edge of the site although this opening was not located.

Possible industrial waste was isolated to the center of the site by means of several test pits which were constructed under the direction of Mr. Laraway.

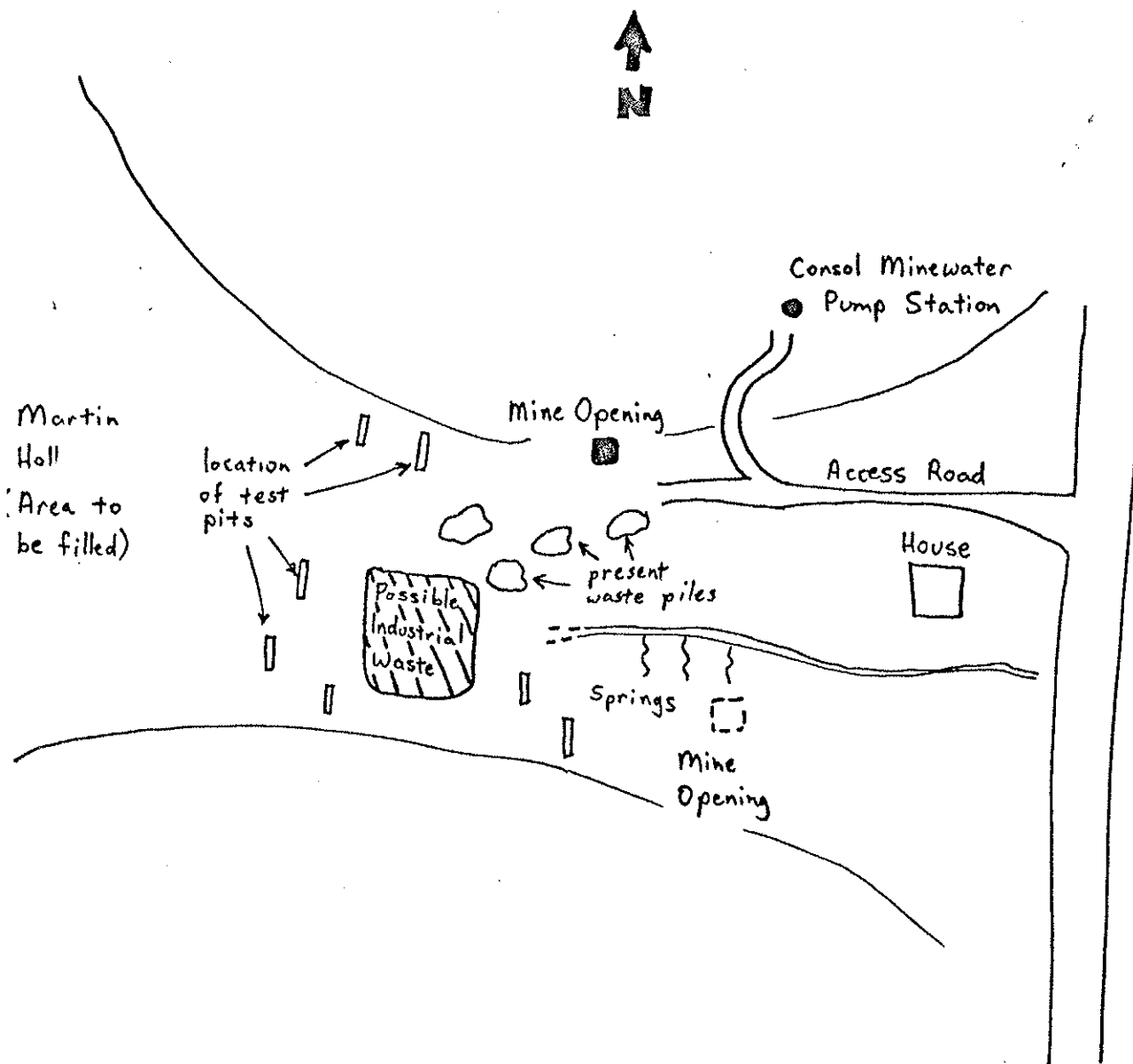
Mr. Laraway indicated that any industrial waste located during the construction of the new landfill would be responsibly disposed of by private contractor to a secure landfill. Since this would be an excellent method of resolving a potential future problem, I indicated to Mr. Laraway that I approved of the contingency plan.

Mr. Laraway plans to remove the old wastes presently located on the site, dispose of any hazardous wastes by private contractor, and then return all non-hazardous wastes to the new landfill. Groundwater & leachate monitoring systems are planned.

The engineering plan appeared to be a well researched, responsible concept designed to meet present environmental standards. Since Mr. Laraway has made arrangements to deal with any hazardous wastes encountered during construction of the new landfill, it is my opinion that he should proceed with his current plans to develop a more environmentally sound landfill in place of the one which currently exists.

Joe Hughart, Geologist

# Martin Hollow Landfill



Existing conditions as viewed on June 23, 1980.

Joe Hughart

Hoss Jones